

SEQUENCE LISTING

<110> Dhugga, Kanwarpal S.

<120> Genes for Galactomannan Production in Plants and Methods of Use

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<150> 60/426,127

<151> 2002-11-14

<150> 60/490,022

<151> 2003-07-25

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<212> DNA

<213> *Cyamopsis tetragonoloba*

<400> 1

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 <213> Cyamopsis tetragonoloba

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<213> Cyamopsis tetragonoloba

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 <213> *Cyamopsis tetragonoloba*

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 50 55 60
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 Asn Trp Asp Glu Lys Arg Lys Glu Trp Leu Leu His His Pro Ser Phe
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<212> PRT

<213> Cyamopsis tetragonoloba

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<220>
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33

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1349

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<212> PRT

<213> *Cyamopsis tetragonoloba*

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 20          25          30
Lys Trp Ile Phe Gln Lys Leu Asp Phe Lys Phe Pro Leu Ser Val Ser
 35          40          45
Cys Val His Phe Ile Cys Ser Ala Ile Gly Ala Tyr Ile Val Ile Lys
 50          55          60
Val Leu Lys Leu Lys Pro Leu Ile Thr Val Asp Pro Asp Asp Arg Trp
 65          70          75          80
Arg Arg Ile Phe Pro Met Ser Phe Val Phe Cys Ile Asn Ile Val Leu
 85          90          95
Gly Asn Val Ser Leu Arg Tyr Ile Pro Val Ser Phe Met Gln Thr Ile
 100         105         110
Lys Ser Phe Thr Pro Ala Thr Thr Val Val Leu Gln Trp Leu Val Trp
 115         120         125
Arg Lys Tyr Phe Asp Trp Arg Ile Trp Ala Ser Leu Ile Pro Ile Val
 130         135         140
Gly Gly Ile Leu Leu Thr Ser Val Thr Glu Leu Ser Phe Asn Met Phe
 145         150         155         160
Gly Phe Cys Ala Ala Leu Phe Gly Cys Leu Ala Thr Ser Thr Lys Thr
 165         170         175
Ile Leu Ala Glu Ser Leu Leu His Gly Tyr Lys Phe Asp Ser Ile Asn
 180         185         190
Thr Val Tyr Tyr Met Ala Pro Phe Ala Thr Met Ile Leu Ala Leu Pro
 195         200         205
Ala Met Leu Leu Glu Gly Asn Gly Ile Leu Asp Trp Leu Asn Thr His
 210         215         220
Pro Tyr Pro Trp Ser Ala Leu Ile Ile Ile Phe Ser Ser Gly Val Leu
 225         230         235         240
Ala Phe Cys Leu Asn Phe Ser Ile Phe Tyr Val Ile His Ser Thr Thr
 245         250         255
Ala Val Thr Phe Asn Val Ala Gly Asn Leu Lys Val Ala Val Ala Val
 260         265         270
Leu Val Ser Trp Leu Ile Phe Arg Asn Pro Ile Ser Tyr Leu Asn Ala
 275         280         285
Val Gly Cys Ala Val Thr Leu Val Gly Cys Thr Phe Tyr Gly Tyr Val
 290         295         300
Arg His Met Leu Ser Gln Gln Pro Pro Val Pro Gly Thr Pro Arg Thr
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Pro Arg Thr Pro Arg Ser Lys Met Glu Leu Leu Pro Leu Val Asn Asp
 325 330 335
 Lys Leu Glu Asp Lys Val
 340